

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(liquid AND crystal AND display AND (circuit NEAR board) AND (temperature NEAR sens\$3) AND (ambient NEAR temperature) AND voltage AND (heat NEAR collect\$3 NEAR panel) AND surround\$3 AND (temperature NEAR change)).CLM.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/07 13:31
L2	1	(liquid AND crystal AND display AND (circuit NEAR board) AND (temperature NEAR sens\$3) AND (compensat\$3 NEAR temperature) AND (add\$3 NEAR circuit)).CLM.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/07 13:32
L3	59	display AND (temperature NEAR (measur\$3 sens\$3 detect\$3)) AND ((compensat\$3 NEAR temperature) WITH add\$3) AND (temperature NEAR (threshold reference predetermined))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/07 13:34
L4	6	display AND (temperature NEAR (measur\$3 sens\$3 detect\$3)) AND ((compensat\$3 NEAR temperature) WITH add\$3) AND ((temperature NEAR (threshold reference predetermined)) WITH (exceed\$3 larger greater))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/07 13:34
S1	1	"20020135711"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/07 13:27
S2	4216	((345/690,87,101) or (349/72) or (725/12)).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/07 12:48
S3	5360	((345/690,87,101) or (349/58,72) or (725/12)).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/07 13:11
S4	540	(kazuhiko with mori) or (atsushi with hatayama)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 12:50
S5	5	((kazuhiko with mori) or (atsushi with hatayama)) and (vehicle) and ("liquid crystal")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 13:06
S6	2	((kazuhiko with mori) or (atsushi with hatayama)) and ((temperature or heat) with (collect\$4 or absorb\$5) with (plate or panel or device))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 13:07
S7	7	"6211852"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 13:08
S8	6	"5515074"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 13:08
S9	4	"4556877"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 14:20
S10	5	"5929833"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 13:09
S11	6793	((345/690,87,101,33-35,38,48,50) or (349/58,72) or (725/12)).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/18 10:19
S12	1	"4236150".PN.	USPAT; USOCR	OR	ON	2005/06/07 14:19
S13	1	"3973254".PN.	USPAT; USOCR	OR	ON	2005/06/07 14:19
S14	21	S11 and ((temperature or heat) with (sens\$3 or detect\$3 or thermist\$3 or collect\$3 or absorb\$3) with (around or encircled\$3 or surround\$3 or encas\$3 or perimeter) with (display or lcd or panel))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 15:06

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S15	0	S11 and ((temperature or heat) with (sens\$3 or detect\$3 or thermist\$3 or collect\$3 or absorb\$3) with (around or encircl\$3 or surround\$3 or encas\$3 or perimeter) with (display or lcd or panel) with (plate or sheet))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 15:07
S16	9	S11 and ((temperature or heat) with (sens\$3 or detect\$3 or thermist\$3 or collect\$3 or absorb\$3) with (around or encircl\$3 or surround\$3 or encas\$3 or perimeter) with (display or lcd or panel) with (panel or plate or sheet))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 15:24
S17	77	(display) and ((temperature or heat) with (sens\$3 or detect\$3 or thermist\$3 or collect\$3 or absorb\$3) with (around or encircl\$3 or surround\$3 or encas\$3 or perimeter) with (display or lcd or panel) with (panel or plate or sheet))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 15:25
S18	12	S14 not S16	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 15:30
S19	23	S11 and ((memory or ram or storage) with (function or equation or table) with (temperature) with (driv\$3 or signal or voltage)) and ((temperature) with (compensat\$3 or chang\$3 or differen\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 16:18
S20	1	"5245326".PN.	USPAT; USOCR	OR	ON	2005/06/07 15:44
S21	1	"5206633".PN.	USPAT; USOCR	OR	ON	2005/06/07 15:44
S22	1	"5138305".PN.	USPAT; USOCR	OR	ON	2005/06/07 15:44
S23	1	"4799072".PN.	USPAT; USOCR	OR	ON	2005/06/07 15:45
S24	587	S11 and ((chang\$3 or differen\$3 or error) with temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 16:17
S25	464	S11 and ((chang\$3 or differen\$3 or error) near3 temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 16:17
S26	245	S11 and (contrast) and ((chang\$3 or differen\$3 or error) near3 temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 16:27
S27	105	S11 and (contrast) and ((differen\$3 or error) near3 temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 16:38
S28	6	S11 and (contrast) and (error near3 temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 16:42
S29	2	S11 and ((temperature near2 add\$3) with (compensat\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 18:34
S30	127	display and "liquid crystal" and ((sum\$4 or add\$3) with compensat\$3 with temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 17:18
S31	157	display and "liquid crystal" and ((sum\$4 or add\$3) with (compensat\$3 or updat\$3 or replac\$5) with temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 17:58
S32	59	display and "liquid crystal" and (((sum\$4 or add\$3) near4 temperature) with (compensat\$3 or updat\$3 or replac\$5))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 17:58
S33	371	S11 and (temperature with (level or threshold or predetermined or pre-determined or "pre determined"))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 18:36
S34	197	S11 and (temperature with (lthreshold or predetermined or pre-determined or "pre determined"))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 18:37

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S35	62	S11 and (temperature with (lthreshold or predetermined or pre-determined or "pre determined")) and ((add\$3 or sum\$4) with (temperature or value))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 19:07
S36	31	S11 and (temperature with (lthreshold or predetermined or pre-determined or "pre determined")) and ((add\$3 or sum\$4) with (temperature or value)) and contrast	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 19:12
S37	21	S11 and (temperature with (threshold)) and ((add\$3 or sum\$4) with (temperature or value)) and contrast	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 19:14
S38	14	S11 and (temperature with (detect\$3 or sens\$3 or measur\$3) with actual)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 19:22
S39	1	motorcycle and (odometer with (angl\$3 or tilt\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 19:22
S40	33	automobile and (odometer with (angl\$3 or tilt\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/07 19:23
S41	6793	((345/690,87,101,33-35,38,48,50) or (349/58,72) or (725/12)).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/08 10:36
S42	1	S41 and ("liquid crystal") and (contrast) and (temperature with inaccura\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 10:37
S43	3	S41 and (temperature with inaccura\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 10:39
S44	79	(display) and ("liquid crystal") and (temperature with (measur\$6 or detect\$3 or sens\$3 or read\$3 or obtain\$3) with inaccura\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 10:48
S45	9	"L11" and ((compensation or compensating) adj temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 10:50
S46	39	S41 and ((compensation or compensating) adj temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 10:51
S47	39	S41 and ("compensating temperature" or "compensation temperature")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 11:03
S48	76	S41 and ((add or adding or sum or summing or combine or combined or combining or increase or increased or increasing) with (temperature) with (detect or detected or detecting or sense or sensed or sensing or measure or measured or measuring or obtain or obtained or obtaining or acquire or acquired or acquiring))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 11:06
S49	4051	display and (temperature with (detect\$3 or sens\$3 or measur\$3 or calculat\$3 or comput\$3 or determin\$3 or estimat\$3 or evaluat\$3) with (inaccura\$4 or error or imprecise or incorrect or inexact or unreliable))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 12:12
S50	428	((345/101) or (349/72) or (725/12)).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/08 12:14
S51	4	S50 and (temperature with (detect\$3 or sens\$3 or measur\$3 or calculat\$3 or comput\$3 or determin\$3 or estimat\$3 or evaluat\$3) with (inaccura\$4 or error or imprecise or incorrect or inexact or unreliable))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 12:24

## EAST Search History

S52	140	S50 and ((difference or aberration or change or contrast or deviation or discrepancy or disparity or divergence or variance or variation) with (detect\$3 or sens\$3 or measur\$3 or calculat\$3 or comput\$3 or determin\$3 or estimat\$3 or evaluat\$3) with temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 12:32
S53	91	S52 not (S51 or S48 or S47 or S46)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 12:33
S54	128	S50 and ((difference or aberration or change or deviation or discrepancy or disparity or divergence or variance or variation) with (detect\$3 or sens\$3 or measur\$3 or calculat\$3 or comput\$3 or determin\$3 or estimat\$3 or evaluat\$3) with temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 12:33
S55	91	S53 not (S51 or S48 or S47 or S46)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 12:33
S56	128	S54 and ((difference or aberration or change or deviation or discrepancy or disparity or divergence or variance or variation) with (detect\$3 or sens\$3 or measur\$3 or calculat\$3 or comput\$3 or determin\$3 or estimat\$3 or evaluat\$3) with temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 12:34
S57	81	S54 not (S51 or S48 or S47 or S46)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 12:34
S58	5	S54 and ((difference or aberration or change or deviation or discrepancy or disparity or divergence or variance or variation) with (detect\$3 or sens\$3 or measur\$3 or calculat\$3 or comput\$3 or determin\$3 or estimat\$3 or evaluat\$3) with (theoretical or actual or authentic or real or factual or true) with temperature)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 12:35
S59	428	((345/101) or (349/72) or (725/12)). CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/08 13:31
S60	22	S59 and (adiabatic or (heat near2 (exchang\$3 or transfer\$4 or mov\$3 or transmit\$3)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 13:33
S61	2	S59 and (adiabatic or (no near4 heat near4 (exchang\$3 or transfer\$4 or mov\$3 or transmit\$3)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 14:00
S62	26	S59 and (insulat\$3 with (panel or plate or screen))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 14:24
S63	337	(polyethylene with transparen\$3 with insulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 14:26
S64	2814	(resin with transparen\$3 with insulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 14:26
S65	325	(resin near2 transparen\$3 near2 insulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 14:52
S66	3	(polyethylene near1 transparen\$3 near1 insulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 15:09
S67	244	(speedometer with (angl\$3 or tilt\$3 or slant\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 15:13
S68	8	(speedometer with (angl\$3 or tilt\$3 or slant\$3) with view)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 15:45

## EAST Search History

S69	1	(speedometer with (viewing near1 angle))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 15:45
S70	158	(automobile or vehicle) and ((speedometer or odometer or panel) with (viewing near1 angle))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 15:55
S71	5	(automobile or vehicle) and ((instrument\$6 near1 panel\$4) with (viewing near1 angle))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 16:06
S72	442	(resin) with (thermal\$3 or heat\$3) with (insulat\$3) with (transparen\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 16:20
S73	32	(resin) with ((thermal\$3 or heat\$3) near1 (insulat\$3) near1 (transparen\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 16:12
S74	115	(resin) with ((thermal\$3 or heat\$3) near3 (insulat\$3) near3 (transparen\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 16:15
S75	7	(polyethylene) with ((thermal\$3 or heat\$3) near3 (insulat\$3) near3 (transparen\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 16:19
S76	0	(vehicle or automobile) and (console) and ((resin) with ((thermal\$3 or heat\$3) near3 (insulat\$3) near3 (transparen\$3)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/08 16:19
S77	707	temperature WITH ambient WITH (screen OR display OR panel) WITH (sens\$3 OR thermistor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/18 10:19
S78	7150	((345/690,87,101,33-35,38,48,50) or (349/58,72) or (725/12)).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/11/18 10:19
S79	37	S77 AND S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/18 10:20
S80	167	(thermistor OR thermometer OR sens\$3) WITH ambient WITH temperature WITH (modify\$3 OR chang\$3 OR alter\$3 OR increas\$3 OR decreas\$3 OR rais\$3 OR lower\$3 OR accomodat\$3 OR adjust\$4 OR adapt\$3 OR calibrat\$3) WITH (display OR screen OR panel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/18 10:23
S81	73	(thermistor OR thermometer OR sens\$3) WITH (ambient NEAR4 temperature NEAR4 (modify\$3 OR chang\$3 OR alter\$3 OR increas\$3 OR decreas\$3 OR rais\$3 OR lower\$3 OR accomodat\$3 OR adjust\$4 OR adapt\$3 OR calibrat\$3)) WITH (display OR screen OR panel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 15:05
S82	299	(345/101).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/11/18 12:03
S83	464	((345/101) or (349/72) or (725/12)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/27 15:05
S84	13	S83 AND ((temperature NEAR3 sens\$3) thermistor) AND ((heat temperature) NEAR5 (collect\$3 soak\$3 absorb\$3 absorption))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 15:23

## EAST Search History

S85	26	(display).AB. AND ((temperature NEAR3 sens\$3) thermistor) AND (temperature WITH (chang\$3 rate increas\$3 decreas\$3 drop\$4 ris\$3) WITH ("same" equal) WITH (thermistor sens\$3) WITH (display lcd panel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:16
S86	1	(Hiraide NEAR Kimiyoshi) AND (thermistor SAME (display lcd))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:03
S87	57	(display).AB. AND ((temperature NEAR3 sens\$3) thermistor) AND (temperature WITH (rate pace speed) WITH (chang\$3 increas\$3 decreas\$3 drop\$4 ris\$3) WITH (thermistor sens\$3) WITH (display lcd panel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:20
S88	55	S87 NOT S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:20
S89	38	(display).AB. AND ((temperature NEAR3 sens\$3) thermistor) AND (temperature WITH (rate) WITH (chang\$3 increas\$3 decreas\$3 drop\$4 ris\$3) WITH (thermistor sens\$3) WITH (display lcd panel))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:20
S90	36	S89 NOT S85	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/27 16:20